



SLIP RESISTANCE TESTING USING THE PENDULUM TESTER
BS 7976:Part 2:2002*

Project:	-
Rubber Slider Type:	'96' (formerly 4S)
Material Under Test:	Type/range : Bottle Alley Glass Tile Reference : - Size : 300 x 300 x 11mm

Sandberg Sample Ref.	Surface Finish	Surface Roughness ¹ R _z , µm	Surface Temperature, °C	Orientation	Pendulum Test Value (mean)	
					Dry	Wet
F78426	Not advised	19.6	19	A	61	46
				90° to A	64	49

The TRL pendulum tester has a range of readings from 0 to 150, high values indicating good slip resistance. Guidance on the interpretation of results using the Four S Slider is suggested by the UK Slip Resistance Group² as follows:-

Potential For Slip	Pendulum Test Value
High	0 to 24
Moderate	25 to 35
Low	36+

The surface roughness measurements are a guide to slip resistance particularly in borderline regions. It is recognised that increased roughness of the floor surface can give an improvement in slip resistance in wet conditions. Surfaces contaminated with pure water generally require a surface roughness of at least 10µm R_z to provide a moderate level of slip resistance and at least 20µm R_z to indicate low slip potential: more viscous contaminants require higher surface roughness. Roughness measurements should not be solely relied upon to evaluate the potential slip resistance of a floor.

Client	Strata Tiles Limited Polar House 6 Middleton Industrial Estate Guildford Surrey GU22 8XW	Signed	For Sandberg LLP
	For the attention of Ms Sandra Burgess	Name	Richard Rogerson
		Position	Department Manager
Reference	Order No PO 57-0000-1	Date	10 January 2011

The results reported here relate to the surface as tested. It should be noted however that the slip resistance of surfaces in services can be changed by various factors such as abrasion, polishing and contamination. Overall assessment of the potential for slip should take into account conditions of use and the environment, in addition to test results. Opinions and interpretation expressed herein are outside the scope of UKAS accreditation. Materials, samples and test specimens are retained for a period of 2 months from the issue of this test certificate

- 1 Surface roughness is not covered by our UKAS accreditation.
- 2 The measurement of floor slip resistance guidelines recommended by the UK Slip Resistance Group, Issue 3, 2005.
- * Withdrawn 31/10/11 replaced by BS EN 13036-4:2011 'Road and airfield surface characteristics. Test methods. Method for measurement of slip/skid resistance of a surface. The pendulum test'